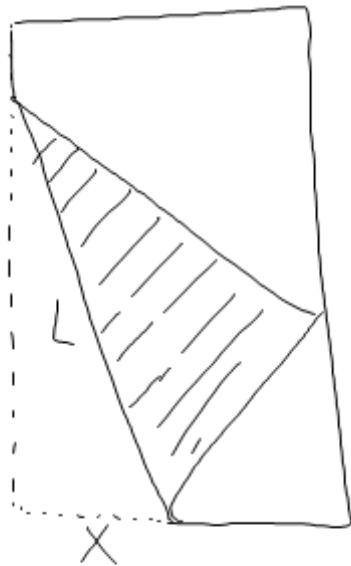


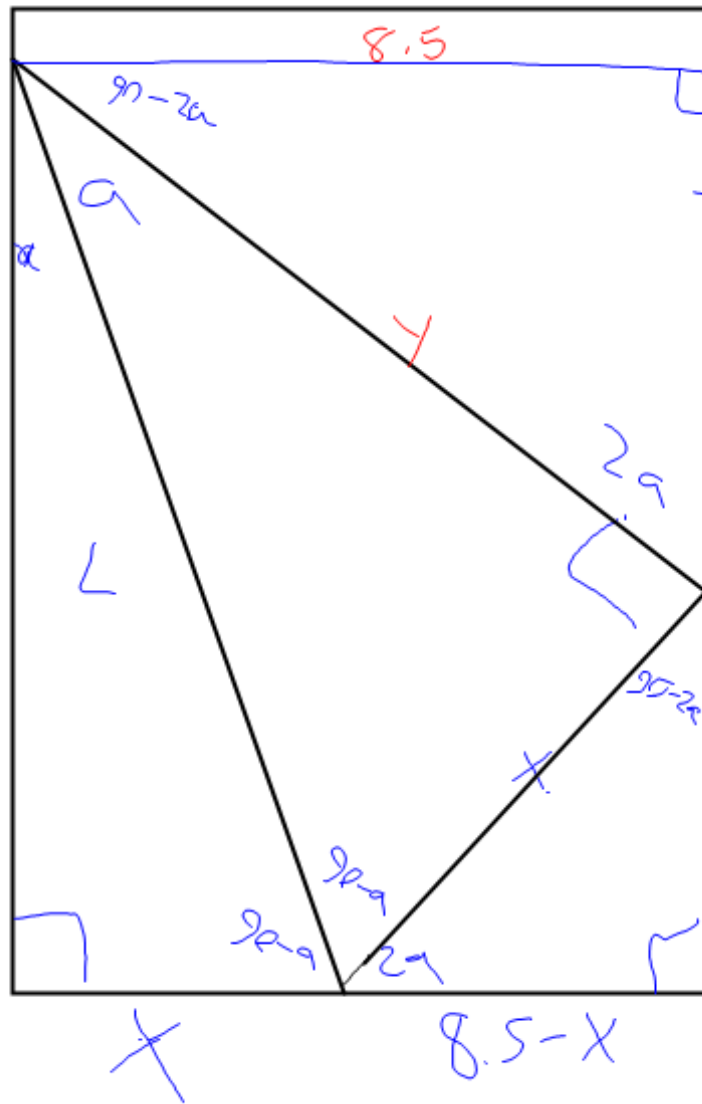
A rectangular sheet of $8\frac{1}{2} \times 11$ in paper is folded so that one of the bottom corners is placed on the opposite longer edge, as shown. The problem is to make the folded edge as short as possible.

(L)



(a) Show $L^2 = \frac{2x^3}{(2x - 8.5)}$

(b) Minimize L^2



$$L^2 = \frac{2x^3}{(2x-8.5)}$$

HW

4.4 #10-12, 16, 18
Finish this problem